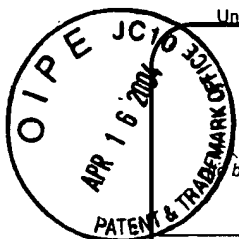


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

be used for all correspondence after initial filing)

Application Number	10/656,495
Filing Date	September 5, 2003
First Named Inventor	Steven Jeffrey Goldberg
Art Unit	2681
Examiner Name	Not Yet Known
Attorney Docket Number	I-2-0397.1US

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <p>PTO-1449; search report</p>
--	--	---

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Frank A. Mazzeo	Reg. No. 46,259
Signature	Volpe and Koenig, P.C.	
Date	4/13/04	

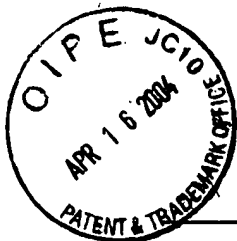
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Frank A. Mazzeo		
Signature		Date	4/13/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Steven Jeffrey Goldberg

**Application No.:** 10/656,495

**Confirmation No.:** 8356

**Filed:** September 5, 2003

**For:** VERTICAL DYNAMIC BEAM-FORMING

**Group:** 2681

**Examiner:** Not Yet Known

**Our File:** I-2-0397.1US

**Date:** April 13, 2004

**INFORMATION DISCLOSURE STATEMENT  
INCLUDING RULE 37 C.F.R. §1.97(e)(1) STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form, which was cited in a search report in a corresponding international application. A copy of the search report is enclosed. Copies of the cited references, U.S. patents and published applications, are not enclosed pursuant to 37 CFR §1.98.

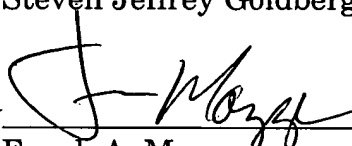
Pursuant to 37 C.F.R. §1.97(e)(1), the undersigned certifies that each item of information contained in this information disclosure statement was first cited in any communication from a patent office in a corresponding international application not more than three months prior to the filing of the information disclosure statement.

**Applicant:** Steven Jeffrey Goldberg  
**Application No.:** 10/656,495

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating consideration of the cited materials.

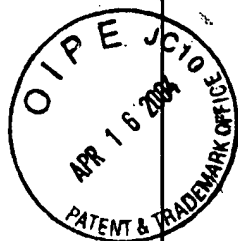
Respectfully submitted,

Steven Jeffrey Goldberg

By   
Frank A. Mazzeo  
Registration No. 46,259  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

FAM/kr  
Enclosure



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)										ATTY. DOCKET NO. I-2-0397.1US		SERIAL NO. 10/656,495	
APPLICANT Steven Jeffrey Goldberg													
FILING DATE September 5, 2003										GROUP 2681			

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4	2	4	9	1	8	1	02/1981	Lee			
	AB	5	6	6	6	1	2	3	09/1997	Chrystie			
	AC	5	6	8	6	9	2	6	11/1997	Kijima et al.			
	AD	5	8	1	8	3	8	5	10/1998	Bartholomew			
	AG	6	1	0	4	9	3	6	08/2000	Kronestedt			
	AE	6	2	8	2	4	3	4	08/2001	Johannisson et al.			
	AF	6	3	1	1	0	7	5	10/2001	Bevan et al.			
	AH	20	01	00	51	5	3	2	12/2001	Voyer			
	AI	20	02	00	58	5	0	3	05/2002	Gutowski			
	AJ	20	02	00	65	1	0	7	05/2002	Harel et al.			
	AK	20	02	00	98	8	7	2	07/2002	Judson			

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)													

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.